

A method for isolating a gene, comprising:

(ii) creating a genetic library of either cDNA or genomic DNA from the genetic material of said isolated cell;

(iii) transforming host cells with said genetic library;

and

(iv) screening said transformed host cells for a host cell containing said post-translational characteristic, thereby obtaining a cell containing said gene, is disclosed. The method can be used to obtain genes encoding glycosyltransferases.

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